

**JACK O'CONNELL THEATER TECHNICAL SPECIFICATIONS  
LEBANON OPERA HOUSE ~ LEBANON, NEW HAMPSHIRE  
(REVISED 12/23/2025)**



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**Stage**

Proscenium opening – 28'10" W x 20' High

Stage Height from Audience floor – 39"

Back wall from plaster line – 28'      Back wall from apron – 36'

Grid at 50'

Stage left wings 12' wide and 24' deep   Stage right usable – 10' wide and 15' deep

Thrust in semi-circle from about 6'8" at proscenium opening sides to 8' at center from plaster line. There are two trap doors, one DSR near the lip and the other USC. Both require some planning and consultation before use. The stage can be accessed from the green room on both sides. The house seats 803 when all seats are in place. It is air-conditioned and newly refurbished with new seats, carpet and appointments.

There is no on stage cross over, if you need this ability you must discuss with Lebanon Opera House Technical Directors.

**Orchestra Pit:**

There is no orchestra pit at LOH, but a system of 3'6" baffles on the floor in front of the stage is available and can accommodate up to 20-piece orchestras. This option requires the removal of rows of audience seating and must be discussed before tickets go on sale.

25 Music Stands, 12 wireless and 25 wired stand lights, and 50 chairs are also available. A Technics SX-PX552 electric keyboard with weighted action is available as well as a Yamaha P22 upright. The floor in front of the stage is carpeted.

**Access to the Stage:**

LOH's freight elevator (with a door opening of 5'-5 1/2" wide x 6'-11 1/2" high with internal clearance of 9' door to door and rated for 5000 lbs) connects directly to the stage and can handle most standard size road boxes etc. LOH also has a 10'x10' loading door located 12' above ground which can be reached with a forklift for loads too big for the elevator (Forklift needs to be rented from an outside supplier so please let LOH Technical Director know well in advance if you are planning to use this door). The door from the elevator lobby to the stage is 7'4" wide and 9'2" high. Please contact LOH Technical Directors if your set has extra-large pieces.

**Rigging**

The rigging is a T-track system with all line sets on arbors. Loading Rail is above stage level.

Pipe lengths vary; the first 6 pipes are 40' (they are double purchase as well). From line set #7 to line set #23 they are 44', #24 and #25 are 38' due to SR Access from Greenroom.

House Line Set Schedule with measurements from Plaster Line:

#1. 1' Main Valance

#2. 2' Main Drape/ Travel or Fly

#3. 3' Legs

#4. 4' First Electric (Raceway) 15 Circuits

#5. 5' Free

#6. 6' House movie screen

#7. 7' 1A Electric (1x HES Lonestar, can be freed with advance notice)

#8. 8' Border

#9. 9' Legs

#10. 10' Second Electric (Raceway) 15 Circuits

## Lebanon Opera House Technical Specifications

- #11. 11' Free
- #12. 12' Free
- #13. 13' Full Stage Black (no fullness)
- #14. 14' Border
- #15. 15' Legs
- #16. 16' Third Electric (2x 8 circuit drop boxes that can be moved)
- #17. 17' Free
- #18. 18' Black Scrim
- #19. 19' Border
- #20. 20' Fourth Electric (Raceway) 10 circuits
- #21. 21' Free
- #22. 22' Legs
- #23. 23' Free
- #24. 24' White CYC
- #25. 24 .5' Full Stage Black (with fullness)

There is a dead-hung truss with 16 circuits rigged at 1' DOWNSTAGE of the proscenium opening.

The main valence is adjustable vertically

The main drape is rigged to fly or travel.

Maximum drop height to fly out of sight @ 22' (20' high better) Batten High Trim @ 40'

Normal electric trim heights for this stage are between 22' and 26'.

**For Renters:** If you require a different set up for masking, please let the Lebanon Opera House Technical Directors know before your arrival.

### Soft Goods

Black two-part drop, (not rigged to travel) with Fullness – 22' High x 20' wide (normally on Lineset #25)

Black two-part drop, (not rigged to travel) No Fullness – 20' high x 20' wide (normally on Lineset #13)

White Cyc – 20' high x 36' wide (normally on Lineset #24)

Three Borders no fullness – 8' high x 38' wide

One border no fullness – 6' high x 38' wide

Four sets of black legs no fullness – 22' high x 8'2" wide

One set of legs – 22' high x 6' wide

Black scrim – 19' high x 34'5" wide

The fire curtain is automatic release and must be kept clear for all productions. (IE. Nothing hard can break the plaster line)

### LIGHTING INVENTORY:

20x Chauvet R2X wash – top light

10x ETC Lustr3 X8 – front light

18x HES Lonestar – specials, box booms

38x ETC ColorSource Spot jr (use size M gobos) – high sides, specials, etc.

10x ETC ColorSource Cyc – cyc units, 5 hung in plot and 5 more available for ground row

4x ETC Source 4WRD – balcony rail specials

Also available are **26** ETC Source Four bodies with the following selection of lens tubes (**there are more tubes than bodies**). All Source Four instruments are lamed at 575W:

4x 50°

18x 36°

7x 26°

6x 19°

**(Only 26 Source Four Bodies)**

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### 6x Source Four Parnels

There are no followspots in house; they may be rented at renter's expense.

### **Lighting Control:**

LOH uses sACN to control 14 universes spread throughout the theater. The first 9 are used by our light plot while the remaining 5 are spare.

Lighting console: ETC IonXE. If you intend to bring your own console, please be aware of our use of sACN and ensure your console can handle more than 8 universes.

### 144 in-house dimmers:

Three ETC 48 Sensor Rack (rated 20 amps per dimmer/ 2.4 kw per dimmer)

42 of our dimmers are used for house lights and LED thrupower; the remaining 102 are available.

LOH does not have the electrical resources to handle more dimmers. It is necessary to realize this and plan to adapt your plot to these specifications. LOH uses GPC (3Pin) for all connectors.

Focus points for front of house are in the ceiling. Stage positions are done from genie lift. Electrics on stage are generally bounce-focused. Box boom positions are done from ladders and require fall arrest harness.

If you are looking for additional lighting or have some custom needs, please contact the Technical Directors.

### ***Projection:***

LOH has a Digital Projection HIGHLite Laser II 13000L WUXGA, 3-Chip DLP projector mounted in the lighting booth. Please contact LOH's Technical Directors to discuss projection needs.

### ***Power for the Stage:***

There are two 100A Company Switches on Stage. One is located on the back wall of the theatre on the SL side of the stage. The other is on the DSR mezzanine. There are also 6x 20A circuits available nearby: 2 from the front of the stage; 1 stage left; 1 on the back wall; and 2 that feed down from the DSR mezzanine.

### **Sound:**

Please consult [our website](#) for specifications of current house system, including available microphones.

Please provide all playback material via thumb drive, Blu-Ray disc, or files provided directly to LOH's Technical Directors.

For artists with major sound needs we have several sound companies that regularly work with LOH. Please contact LOH's Technical Directors for a list.

A Steinway D grand piano is available for use onstage.

### **Stagehands Union:**

LOH has an agreement with IATSE Local 919. LOH's Technical Directors have extensive experience with all aspects of theater and will be in charge of the crew requirements.

### **Dressing Rooms:**

LOH's Green Room has four dressing rooms suitable for two or three people each. It also has two showers and three toilets. Kitchenette with adjacent Washer and Dryer is adjacent to the lounge area. Down one flight from the green room are two larger "Chorus" dressing rooms with toilets to accommodate 12 – 20 people. There is Wireless Internet available in most of the building; ask the Lebanon Opera House Technical Directors for the password.

## Lebanon Opera House Technical Specifications

### **There are two local hospitals within five miles of LOH:**

Alice Peck Day Memorial Hospital,  
125 Mascoma Street, Lebanon, NH  
603.448.3121

Dartmouth Hitchcock Medical Center  
One Medical Center Drive, Lebanon NH  
603.650.5000